

Form PTO-1449
(Rev. 8-83)U.S. Department of Commerce
Patent and Trademark Office

Attorney Docket No. 0756-1717

Serial No. Not Yet Assigned

68698 U.S. PTO

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Applicant: Shunpei YAMAZAKI

08/926592

Filing Date: September 9, 1997

Group: 9104/97

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| Examiner Initial | Document Number | Date | Name | Class | Subclass | Filing Date (if appropriate) |
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| 112 | 5,158,644 | 10/27/92 | Cheung et al. | | | |
| 112 | 5,207,836 | 5/4/93 | Chang | 134 | 1 | |
| 112 | 5,094,966 | 3/10/92 | Yamazaki | 437 | 40 | |
| 112 | 4,857,139 | 8/15/89 | Tashiro et al. | 118 | 50.1 | |
| 112 | 4,576,698 | 3/18/86 | Gallagher et al. | 204 | 192E | |
| 112 | 4,629,635 | 12/16/86 | Brors | 427 | 255.2 | |
| 112 | 4,625,678 | 12/2/86 | Shioya et al. | 118 | 723 | |
| 112 | 4,563,367 | 1/7/86 | Sherman | 427 | 39 | |
| 112 | 4,539,068 | 9/3/85 | Takagi et al. | 156 | 614 | |
| 112 | 4,532,022 | 7/30/85 | Takasaki et al. | 204 | 192D | |
| 112 | 4,342,617 | 8/3/82 | Fu et al. | 156 | 643 | |

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| | | | | | | Yes | No |
| 112 | 556410 | 1/17/80 | Japan | | | X | |
| | 5578524 | 6/13/80 | Japan | | | Abst | |
| | 55144570 | 11/5/80 | Japan | | | Abst | |
| | 5524553 | 2/15/80 | Japan | | | Abst | |
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| <i>mw</i> | 3 6 6 1 6 3 7 | 05/09/72 | Sirtl | | | |
| <i>mw</i> | 4 1 3 8 3 0 6 | 02/06/79 | Niwa | | | |
| <i>mw</i> | 4 4 9 2 7 1 6 | 01/08/85 | Yamazaki | | | |
| <i>mw</i> | 4 5 0 3 8 0 7 | 03/12/85 | Nakayama et al. | | | |
| <i>mw</i> | 4 5 2 9 4 7 4 | 07/16/85 | Fujiyama et al. | 156 | 643 | |
| <i>mw</i> | 4 5 3 4 8 1 6 | 08/13/85 | Chen et al. | | | |
| <i>mw</i> | 4 5 5 0 6 8 4 | 11/05/85 | Mahawili | | | |
| <i>mw</i> | 4 5 7 6 6 9 8 | 03/18/86 | Gallagher | | | |
| <i>mw</i> | 4 6 2 5 6 7 8 | 12/02/86 | Shioya et al. | | | |

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| 5 5 0 4 6 6 1 | 11/5/80 | Japan | | | X |
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| <i>MC</i> | 4 6 9 3 2 1 1 | 09/15/87 | Ogami et al. | | | |
| <i>MC</i> | 4 6 9 5 7 0 0 | 09/22/87 | Provence et al. | | | |
| <i>MC</i> | 4 7 4 5 0 8 8 | 05/17/88 | Inoue et al. | | | |
| <i>MC</i> | 4 7 4 7 3 6 8 | 05/31/88 | Brien et al. | | | |
| <i>MC</i> | 4 7 6 7 6 4 1 | 08/30/88 | Kieser et al. | | | |
| <i>MC</i> | 4 9 6 0 4 8 2 | 10/02/90 | Law et al. | | | |
| <i>MC</i> | 5 0 0 0 1 1 3 | 03/19/91 | Wang et al. | | | |
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| <i>ml</i> | 4,811,684 | 3/14/89 | Tashiro et al. | 427 | 53.1 | 9/3/87 |
| <i>ml</i> | 4,435,445 | 3/6/84 | Allred et al. | 427 | 54.1 | |
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| <i>ml</i> | 4,726,963 | 2/23/88 | Ishihara et al. | 427 | 53.1 | 6/9/87 |
| <i>ml</i> | 4,728,528 | 3/1/88 | Ishihara et al. | 427 | 53.1 | 12/18/86 |
| <i>ml</i> | 4,759,947 | 6/24/88 | Ishihara et al. | 427 | 53.1 | 10/7/85 |
| <i>ml</i> | 3,485,666 | 12/69 | Sterling et al. | 427 | 37 | |

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| mm | 4,608,117 | 8/26/86 | Ehrlich et al. | 427 | 53.1 | 6/1/82 |
| mm | 4,330,570 | 5/18/82 | Giuliani et al. | 427 | 64 | |
| mm | 4,402,997 | 9/6/83 | Hogan et al. | 118 | 71.5 | |
| mm | 4,695,331 | 9/22/87 | Romprasud | 427 | 54.1 | |
| mm | 4,699,805 | 10/13/87 | Seelback et al. | 118 | 71.5 | 7/3/86 |
| mm | 4,702,934 | 10/27/87 | Ishihara et al. | 427 | 39 | 3/24/86 |
| mm | 4,365,107 | 12/21/82 | Yamauchi | 427 | 39 | |
| mm | 4,509,451 | 4/9/85 | Collins et al. | 427 | 39 | |
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| mm | 4,451,503 | 5/84 | Blum et al. | 427 | 53.1 | |

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| mv | 3,228,812 | 1/96 | Blake | 427 | 93 x | |
| mv | 4,529,474 | 7/85 | Fujiyama et al. | 134 | 1 x | 1/1984 |
| mv | 4,529,475 | 7/85 | Okano et al. | 156 | 643 | 5/1984 |
| mv | 4,576,696 | 3/86 | Gallagher et al. | 134 | 1 x | 6/1983 |
| mv | 4,581,100 | 4/86 | Hatzakis et al. | 156 | 643 | 10/1984 |
| mv | 4,525,382 | 6/25/85 | Sugioka | 427 | 54.1 | 12/29/83 |
| mv | 4,522,663 | 6/85 | Ovshinsky et al. | | | |
| mv | 4,496,423 | 1/85 | Walton | 156 | 345 | |
| mv | 4,664,938 | 5/87 | Walker | 118 | 723mp-x | |
| mv | 4,883,560 | 11/89 | Ishihara | 118 | 723mp-x | |
| mv | 4,380,488 | 4/1983 | Reichelderfer et al. | 156 | 345 X | |
| mv | 4,033,287 | 7/1977 | Alexander, Jr. et al. | 118 | 723E | |
| mv | 4,919,077 | 4/90 | Oda et al. | 118 | 723mp | |

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| mv | JP60-245217 | 12/5/85 | Japan | 118 | 723mp | |
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| mv | Webster's New World Dictionary, Third College Edition, 1988, p. 707. |
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| <i>mv</i> | 4,828,369 | 5/9/89 | Hotomi | 350 | 357 | |
| <i>mv</i> | 4,909,914 | 3/20/90 | Chiba | 204 | 164 | |
| <i>mv</i> | 4,913,929 | 4/3/90 | Moslehi | 427 | 39 | |
| <i>mv</i> | 5,081,398 | 1/14/92 | Asmussen | 314 | 111.41 | |
| <i>mv</i> | 5,211,825 | 5/18/93 | Saito | 204 | 298.32 | |
| <i>mv</i> | 5,487,787 | 1/30/96 | Cann | 118 | 723 R | |
| <i>mv</i> | 5,503,676 | 4/2/96 | Shufflebotham | 118 | 723 MR | |
| <i>mv</i> | 4,006,340 | 2/1/77 | Gorinas | 219 | 121 P | |
| <i>mv</i> | 3,338,209 | 8/29/67 | Bhola | 118 | 49.5 | |
| <i>mv</i> | 4,401,054 | 8/30/83 | Matsuo | 118 | 723 | |

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| | | | | | | Yes | No |
| <i>mv</i> | 61-143579 | 7/1/86 | Japan | | | | |
| <i>mv</i> | 62-120477 | 6/1/87 | Japan | | | | |
| <i>mv</i> | 3,144,016 A1 | 7/8/82 | DE | 118 | 723MR | | |
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| <i>mv</i> | Brodsky et al., Method of Preparing Hydrogenated Amorphous Silicon, IBM Technical Disclosure Bulletin, Vol. 22, No. 8A PG 3391-3392. |
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| <i>mm</i> | 4,461,783 | 7/24/84 | Yamazaki | 427 | 39 | |
| <i>mm</i> | 4,530,818 | 7/23/85 | Gutermann | 422 | 240 | |
| <i>mm</i> | 4,543,465 | 9/24/85 | Sakudo | 219 | 121 PD | |
| <i>mm</i> | 4,585,541 | 4/29/86 | Miyake | 204 | 298 | |
| <i>mm</i> | 4,598,665 | 7/8/86 | Tanaka | 118 | 715 | |
| <i>mm</i> | 4,615,298 | 10/7/86 | Yamazaki | 118 | 723 | |
| <i>mm</i> | 4,683,838 | 8/4/87 | Kimura | 118 | 715 | |
| <i>mm</i> | 4,915,979 | 4/10/90 | Ishida | 118 | 723 | |
| <i>mm</i> | 4,947,085 | 8/7/90 | Nakanishi | 315 | 111.41 | |
| <i>mm</i> | 4,982,138 | 1/1/91 | Fujiwara | 315 | 11.41 | |

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| <i>mm</i> | 58-95550 | 6/1983 | Japan | | | | |
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| mw | 5,499,411 | 9/12/95 | Fukuda | 118 | 723 MP | |
| mw | 5,110,619 | 5/1992 | Ogumi et al. | 118 | 723 | |
| mw | 4,183,780 | 1/15/80 | McKenna | 427 | 38 | |
| mw | 4,522,674 | 6/11/85 | Ninomiya | 156 | 345 | |
| mw | 4,481,229 | 11/6/84 | Suzuki | 427 | 47 | |
| mw | 4,564,997 | 1/21/86 | Matsuo | 427 | 47 | 4/16/82 |
| mw | 4,668,365 | 5/26/87 | Foster | 427 | 47 | 10/25/84 |

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| mw | 01-275761 | 11/6/89 | Japan | 118 | 723 | | |
| mw | 59-52833 | 3/27/84 | Japan | | | | |
| mw | 60-033300 | 2/20/85 | Japan | | | | |
| mw | 60-180999 | 9/14/85 | Japan | 423 | 466 | | |

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| mw | "HIGH-CONDUCTIVE WIDE BAND GAP P-TYPE a: S:C:H PREPARED BY ECR CVD AND ITS APPLICATION TO HIGH EFFICIENCY a-S; Basis Solar Cells, Y. Hattori et al., Presented at 19th IEEE PVSC (New Orleans) May 4-8, 1987, pp. 1-6. |
| mw | "REACTIVE ION BEAM ETCHING USING A BROAD BEAM ECR ION SOURCE", S. Matsuo and Y. Adachi, Japanese Journal of Applied Physics, Vol. 21, No. 1, January, 1982, pp. L4-L6. |

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| mm | 4,501,766 | 2/85 | Suzuki et al. | 118 | 50.1 | |
| mm | 4,495,218 | 1/85 | Azuma et al. | 427 | 53.1 | 9/1983 |
| mm | 4,371,587 | 2/83 | Peters | 427 | 53.1 | |
| mm | 4,608,063 | 8/1986 | Kurokawa | 55 | 208 | 11/84 |
| mm | 4,655,800 | 4/1987 | Tsukada et al. | 55 | 208 | |
| mm | 4,762,728 | 8/1988 | Keyser et al. | 427 | 99 | |
| mm | 4,223,048 | 9/16/80 | Engle, Jr. | 427 | 39 | 8/7/78 |
| mm | 4,088,456 | 5/9/78 | Giorgi et al. | 55 | 179 | 1/7/75 |
| mm | 4,332,522 | 6/1/82 | Saulgeot | 415 | 90 | 1/21/80 |

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| mm | 61-99682 | 6/25/86 | Japan | | | Abst | |

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| mm | JOURNAL OF VACUUM SCIENCE & TECHNOLOGY: H. Frederick Dylla "Turbomolecular Pump Vacuum System for the Princeton Large Torus" Plasma Physics Laboratory, Princeton University, Princeton, New Jersey 08540; (Received 29 September, 1977; accepted 21 November 1977); Vol. 15, No. 2, pp 734-40, 1978 |
| mm | "A User's Guide to Vacuum Technology" by John F. O'Hanlon, Research Staff Member IBM Thomas J. Watson Research Center. |

Gandhi: VLSI Fabrication Principles

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| W | 4,282,267 | 8/4/81 | Küyel | 427 | 38 | |
| W | 4,532,199 | 7/30/85 | Ueno | 427 | 39 | |
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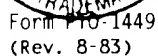
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